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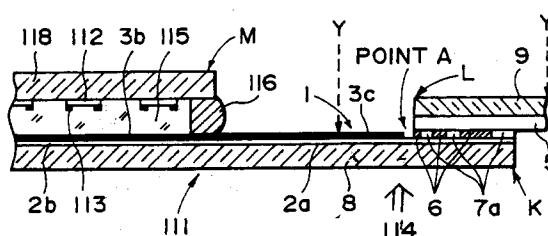
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ms, Bavariaring 4
W-8000 München 2(DE)(54) **Liquid crystal apparatus.**

(57) A liquid crystal apparatus wherein a liquid crystal panel side electrode (1) extending from a liquid crystal panel is connected to an external circuit side electrode (5) extending from an external circuit for driving the liquid crystal panel, by using conductive material (7a), and wherein the liquid crystal panel side electrode is a laminated film made of an indium tin oxide film (2a) and a metal film (3), and the liquid crystal panel side electrode has a left portion of the metal film and an indium tin oxide film opening area, at a connection area between the liquid crystal panel side electrode and the external circuit side electrode.

**FIG. 4**



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EUROPEAN SEARCH REPORT

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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
A	PATENT ABSTRACTS OF JAPAN vol. 8, no. 259 (P-317)(1696) 28 November 1984 & JP-A-59 129 833 (HITACHI) 26 July 1984 * abstract *	1-3	G02F1/1345 H05K1/00
A	--- EP-A-D 344 367 (COPYTELE) 6 December 1989 * column 11, line 21 - line 50 * * column 13, line 7 - line 27 * * column 14, line 48 - column 15, line 22; figure 2 *	1,4	
A	--- PROCEEDINGS OF THE 6TH IEEE/CHMT INTERNATIONAL ELECTRONIC MANUFACTURING TECHNOLOGY SYMPOSIUM 26 April 1989, NARA, JAPAN pages 55 - 58; M. MASUDA ET AL.: 'CHIP ON GLASS TECHNOLOGY FOR LARGE CAPACITY AND HIGH RESOLUTION LCD' * abstract * * page 55, column 1, line 35 - page 56, column 1, line 11; figures 1,3 *	5	
A	--- EP-A-D 385 787 (SHARP) 5 September 1990 * column 4, line 53 - column 5, line 20 * * column 7, line 39 - line 44; figures 1,6,7 *	6	TECHNICAL FIELDS SEARCHED (Int. Cl.5) G02F
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 09 JUNE 1992	Examiner STANG I.
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			